

Converting Colors

CIELCh(24, 34.940, 73.280)

Have a look what the booklet for
CIELCh(24, 34.940, 73.280) contains.

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Color

CIELCh(24, 35.055, 72.709)

Conversions

Conversions Part 1	
Format	Color
Hex	523200
RGB	82, 50, 0
RGB Percent	32%, 20%, 0%
CMY	0.6776, 0.8032, 0.9991
CMYK	0.00, 0.39, 1.00, 0.68
HSL	37°, 99%, 16%
HSV	37°, 100%, 32%
XYZ	4.6472, 4.1002, 0.5529
YIQ	53.8680, 35.1220, -8.7660

Conversions

Conversions Part 2

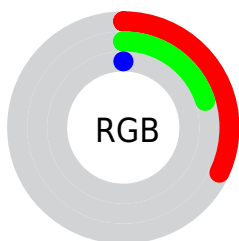
Format	Color
RYB	52, 82, 0
Decimal	5386752
CIELab	24.00, 10.42, 33.47
CIELCh	24, 35.055, 72.709
Yxy	4.1002, 0.4997, 0.4409
Android (android.graphics.Color)	4283576832 (0xFF523200)
YUV	53.8680, -26.5569, 24.6718
Hunter-Lab	20.2490, 5.5307, 12.5553

Details

The CIELCh color **24, 35.055, 72.709** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **14, 35.568, 289.343**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 34.784, 72.444**, and **4, 12.434, 30.623** is the 20% darker color. If you saturate the color by 10%, you get **24, 35.131, 72.670**, and if you desaturate by 10%, it is **25, 32.253, 74.360**.

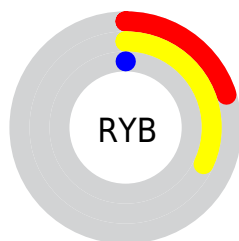
Distribution



Red (32%)

Green (20%)

Blue (0%)



Red (20%)

Yellow (32%)

Blue (0%)

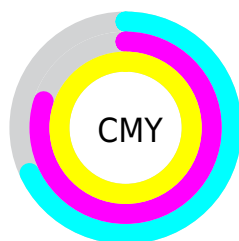


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (68%)



Cyan (68%)

Magenta (80%)

Yellow (100%)

Brightness & Saturation


Gradients

These gradients show how the CIELCh color 24, 35.055, 72.709 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 24, 35.055, 72.709 by changing the saturation by 10% instead.

 24, 35.055, 72.709

 24, 35.055, 72.709

 100, 35.055,
72.709

 14, 35.055, 72.709

 44, 35.055, 72.709

 4, 35.055, 72.709

 54, 35.055, 72.709

 0, 35.055, 72.709

 64, 35.055, 72.709

 74, 35.055, 72.709

 84, 35.055, 72.709

 94, 35.055, 72.709

 24, 35.055, 72.709

 24, 35.055, 72.709

■ 24, 35.131, 72.670

■ 25, 32.253, 74.360

■ 26, 29.129, 76.051

■ 27, 25.543, 77.529

■ 28, 21.777, 78.903

■ 29, 17.969, 80.218

■ 30, 14.192, 81.494

■ 31, 10.486, 82.738

■ 33, 6.866, 83.946

■ 34, 3.339, 85.107

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24, 35.055, 72.709



14, 35.568, 289.343

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24, 35.055, 72.709



24, 35.055, 122.709



24, 35.055, 252.709



24, 35.055, 302.709

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24, 35.055, 72.712



41, 13.190, 82.575



15, 37.020, 6.876



19, 8.921, 82.285



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24, 35.055, 72.712



32, 43.589, 72.034



33, 42.757, 108.485



16, 1.904, 85.220



31, 42.821, 72.119



67, 77.064, 69.733

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



14, 35.568, 289.343



19, 44.486, 290.944



6, 57.199, 306.541



15, 1.895, 267.361



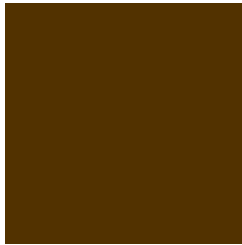
18, 43.604, 290.821



43, 84.035, 293.659

Previews

White Background



This preview shows how the CIE LCh color 24, 35.055, 72.709 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 24, 35.055, 72.709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 35.055, 72.709

Background



This preview shows how black text looks on a background with the CIELCh color 24, 35.055, 72.709.



This preview shows how white text looks on a background with the CIELCh color 24, 35.055, 72.709.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

24, 35.055, 72.709

Protanopia

24, 30.774, 96.418

Deuteranopia

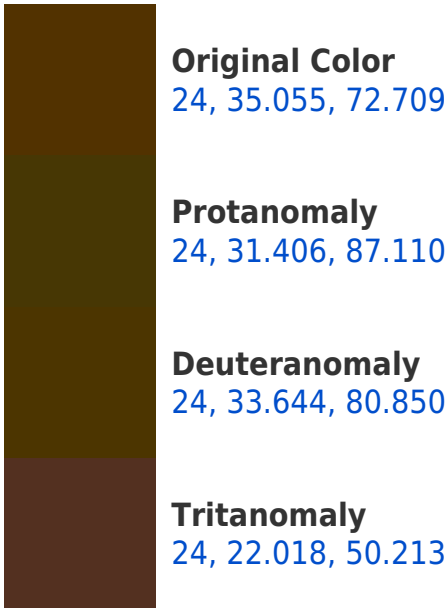
24, 33.389, 85.776



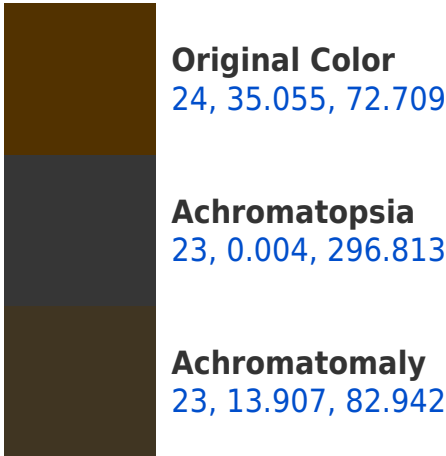
Tritanopia

24, 18.136, 17.290

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 35.055, 72.709 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(82, 50, 0)` looks like.

```
.text, #text, p{  
    color:rgb(82, 50, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(82, 50, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 50, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 35.055, 72.709 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(82, 50, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(82, 50, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(82, 50, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 50, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 50, 0); box-shadow:4px  
4px 4px 4px rgb(82, 50, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 35.055, 72.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 50, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(82, 50,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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